

WHAT IS CLAIMED IS:

- 004270" TT 268460
1. An antigen composition comprising a fluid fraction from an *E. rhusiopathiae* culture and a stabilizing agent.
  - 5 2. The antigen composition of Claim 1, wherein said stabilizing agent is a metal hydroxide, a metal phosphate, an aluminum hydroxide gel, an aluminum phosphate gel, a calcium phosphate gel, a zinc hydroxide/calcium hydroxide gel or an alum.
  3. The antigen composition of Claim 1, wherein said *E. rhusiopathiae* culture is inactivated.
  - 10 4. The antigen composition of Claim 3, wherein said *E. rhusiopathiae* culture is inactivated with formalin or with beta propiolactone.
  5. The antigen composition of Claim 1, wherein said fluid fraction is concentrated by about 3 fold to about 30 fold.
  - 15 6. A vaccine composition comprising an antigen composition of Claim 1 and an adjuvant composition.
  7. A vaccine composition according to Claim 6 wherein the adjuvant composition comprises from about 0.25% to about 12.5% v/v of a lecithin, from about 1% to about 23% v/v of an oil and from about 1.5% to about 6% v/v of an amphiphilic surfactant in said vaccine composition.
  - 20 8. A method of making an antigen composition comprising adding a stabilizing agent to a fluid fraction from an *E. rhusiopathiae* culture.
  9. A method of vaccinating an animal comprising administering to the animal an effective amount of the antigen composition of Claim 1.
  10. A method of vaccinating an animal according to Claim 24 wherein the animal
  - 25 is a pig.
  11. A method of vaccinating an animal comprising administering to the animal an effective amount of a vaccine composition of Claim 6.

add  
B<sub>1</sub>

add  
C<sub>6</sub>

add  
D<sub>2</sub>